Specimens collected
in Blanc Labor
Labrador and New
found land, aug. 1915,
by Dr. C. H. Townsend
given through R. Thaxter

Stilota pectinata
Polysiphonia arctica
nephroma arcticum
Cetraria Delisea
Umbilicaria antarctica
vel ff.
Parmelia saxatilis ff.
" olivacea
Physcia near P. ciliaris,

A. Nostoc ellipsosporum

B. Cylindrospermum
Majus

C. Cylindrospermum
Licheniforme

D. Nodularia Harveyana
with a little of what
appears to be Anabaena
(Sphaeroz yga)

E. Dichothrix Baueriana ?

F. Rivularia sp. Poor condition
and not worth naming.

G. Dedogonium capilliforme
var. australe

H. Tetraspora. a fragment
merely.

Yours ab,
Trelease.

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W. G. Farlow, 24 Quincy Street
R. Thaxter, 7 Scott Street

algae from Azores. Leg Dr. Correia
com M. Frelease
Cambridge, Mass., U.S.A. 190 .

I

744 Enteromorpha compressa
746 Ulva lactuca
747. Colpomenia sinuosa
748 Ulva Lactuca
749 {a Porphyra laciniata
{b. fragment of Halymenia
751 Enteromorpha ramulosa t/z
752. Chaetomorpha aerea
753. Enteromorpha compressa
754. Enteromorpha ramulosa th.
755 Chaetomorpha th.
756 Enteromorpha ramulosa th
757 Enteromorpha ramulosa
758. Chaetomorpha. This is quite young but it looks to me like C. crassa Kütz. which when mature becomes fine.

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Algae from Azores Cont. II

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741. Trentepohlia aurea (L.) Mart.
var. polycarpa Hariot.
742. Ascophyllum nodosum (L.) Le Jolis
743. Phyllitis Fascia (Müll.) Kuty.
745. Leptosiphon Lomentarius. (Lyngb.)
750. Padina Pavonia (L.) Gaill. J. Ag.
759. Taonia atomaria (Woodw.) J. Ag.
Not a typical specimen.
760. Sargassum. A fragment only
impossible to name.
761. Sargassum. Ditto.
762. Cystoseira abrotanifolia Ag.
764.
766. 767. Fucus platycarpus Thuret,
var. limitaneus (Mont.) Kützing.
768. 769. 770. 771. Gelidium spinulosum
772. Gigartina acicularis Ag.
773 = 768.
774 = 768.
775. Specimen bad. Heteromorpha
780. Cystoseira Abies-marina. (Turn.)
J. Ag.

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Algae from Azores Cont III

Trelease. 1903

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781. Liagora pulverulenta vel viscida 190 .
782. Halopteris filicina (Grat.) Kütz.
783. Hypnea scoparium (L.) Kütz.
784. Cladophora prolifera (Roth) Kütz.
785 = 768.
786. = 783
788. Zonaria flava (~~Ote~~ Clem.) J. Ag.
789. Cladostephus verticillatus
790. Hypnea musciformis (Wulf.) Lam
791. Ceramium ciliatum (Ellis) Duch.
793. Lomentaria articulata (Hds.) Lyngb.
792. Plocamium coccineum (Huds.) Lyngb.
794. Grateloupia filicina (Wulf.) Ag
796. Bryopsis plumosa (Huds.) Ag.
797, 798, 799, Corallina Mediterranea
N.B. 9 June kept 798.
800. Corallina granifera Arech
= Jania virgata Aret.

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Algae from Azores Cont. IV
Release. 1903
Cambridge, Mass., U.S.A.

190.

763. 765. These are young Laurenciae but young to name with certainty but they look like L. paniculata.

776, 777. 778, 779. These are all the slender form of Gelidium corneum, v. capillaceum now put in Pterocladia capillacea

There are no cystocarps to show whether the fruit is unilateral but there can be no doubt of the species I think.

787. Stypocaulon scoparium. A waterworn specimen.

795. Polysiphonia. This [redacted] closely related to P. fruticulosa but I should call P. flocculosa J. Ag. (?)

Family Entomophthoraceae.

112 - Entomophthora Muscae (Cohn) on house flies.

Madison, Wis., Nov. 20, 1882.

Dear Dr. Farlow:

This is the outline of a list with a few notes that I have promised to read at the December meeting of the National Academy. I mailed you on Saturday specimens of nearly all that I have not already given you, not that I suppose you will care to examine them now, but that they may serve for fixing the locality sometime. I should, however, be very much obliged if you can help me with the underscored species, for though I feel confident as to some, others are entirely unknown to me & I have not been able to compare them with authentic specimens. I have arranged them in Fuckel's order, but in the published list should give only names of orders and families. The names used are those Winter uses in Rabenhorst, so far as that work is issued. If you see any desirable changes in synonymy will you please suggest them? The Peronospora on Helianthus and that on Silphium are larger than my specimens on Ambrosia, but I suppose they go under Halstedii. Do you know of any Peronospora on Cucurbitaceae (C. Cubensis B. & C. ? from Cuba), but have not access to the Linnaean Journal where it is described, so do not know whether no. 7 belongs to that species or not. I don't see that Peck's P. simplex differs from the described Basidiophora entospora, do you? The

Hyphomyces, no. 38, is apparently on a large Agaric. It is very common. Did you cultivate the fungus on Oxalis? What did you make of the white glue fungus last winter? So is the same as your Mass. Ramularia, but I have no specific name. Do you separate Puccinia Kuhniae, P. Helianthi and P. Xanthii from P. Compositarum & P. flosculosorum? The Uredo no. 95 on raspberry ought to belong to Phrag. bulbosum, but I see no signs of teleutospores even now, nor do I know that the teleutospores that should go with no. 102 have ever been found in this Country, though Wm. Jones gives the aecidium this name. No. 60 has the mycelium every Woods Hole July bound on ater funiculus, but I found only conidia. If you can suggest any better arrangement for these imperfect forms I shall be greatly obliged. My boxes came on Saturday, thanks. Were you at any expense? If so will you please send me a memorandum when you write. If you do not care for this list I should like it after you have looked the matter up, as it will save me labor in making out my MS. list.

Regards to Dr. Gray, Mr. Watson and Prof. Goodale. In haste, Yours very truly,

Wm. Trelease.

87- Gymnosporangium macropus Clint. III on Juniperus Virginiana.

88- " fuscum var. globosum Farlow, III on " "

89- Melampsora salicina Lév. II & III on various species of Salix.

90- " Populina Lév. II & III on { Populus monilifera. " tremuloides. " grandidentata. " balsamifera.

? 90½- Coleosporium miniatum ! II on Rosa lucida.

91- " Sonchi-arvensis (Pers.) II & III on various species of Aster & Solidago.

92- Peridermium Harknessii J.P.M. III on Pinus Banksiana.

92- Isolated uredo-forms.

93- Uredo Aginaniae Eupatoriae (DC.) on Aginaria Eupatoria.

94- " Polypodii (Pers.) on Cystopteris fragilis - Kilbourn City.

? 95- " Rubarum DC. on R. occidentalis.

68½- " on Polygonum

96- Caeoma luminata on " "

Isolated aecidial forms.

97- Aecidium pustulatum M. on Comandra umbellata.

98- " Polemonii Pk. on { P. reptans. Phlox Hoodii

99- " Geranii DC. on G. maculatum

100- " Oenotherae Pk. on O. biennis.

101- " Compositarum Mart. on Lactuca canadensis ? Northern.

102- " Grossulariae DC. on { Ribes aureum " rotundifolium " Cynosbati. " Grossularia

210- " on { Lathyrus venosus (a) " palustris (b)

211- " Polygalinum Pk. on P. Senega.

103- Roestelia lacerata Sum. on Crataegus coccinea.

104- " penicillata (Müller) on Pyrus Coronaria.

Family Ustilagineae.

105- Ustilago neglecta Niessl. on Setaria glauca.

106- " Sorghi (Link) ? (but with rough spores) on S. saccharatum.

107- " Zeae Mays DC. on Zea Mays.

108- " Segetum Pers. on Avena sativa - La Crosse.

109- Entyloma on Thalictrum dioicum.

110- " on Anthoxia artemisiaefolia.

111- " on Menispermum Canadense.

60- Puccinia Sorghi on Zea Mays. Imperfect forms.

A- Leptopuccinia.

65- P. Valantiae Pers. — III on Galium triflorum.

[You remember I looked this up last year and it agreed better with P. Galiorum than P. Valantiae, & cept that I & III were wanting.]

66- P. Circaeae Pers. — III on C. Lutetiana.

67- P. Anemones-Virginianae Schw. — III on A. Virginiana.

C- Hemipuccinia.

68- (a) P. Sorghi Schw. — II & III on Zea Mays.

68 (b) " " ? = P. purpurea Cke ? — on Zea Mays.

69- " Polygoni-amphibii Pers. — III on P. Amphibium.

E- Eupuccinia.

70- P. Menthae Pers. — II & III on {(a) Pycnanthemum! (b) Monarda fistulosa. (c) Mentha Canadensis}

71- " Gentianae (Strauss) — III on G. Andrewsii.

72- " flosculosorum (A. & S.) — II & III on {(a) Hieracium Canadense. (b) Taraxacum Dens Leonis. (c) Cirsium lanceolatum.}

II on " dis Color.

73- " Violae (Schum.) — I on V. delphinifolia, II & III on {V. pubescens V. cucullata}

74- " Graminis Pers. — I on Berberis vulgaris. II & III on {Avena Sativa. Secale Cereale.}

75 " ~~Caricis Schum~~

76 " Coronata Cda. — II & III on {(a) Avena Sativa. (b) Dactylis Glomerata}

Uncertain. (in which groups do they go?)

77 " Pomorum Lk. — II & III on {P. senotina P. Americana}

78 " Anemone (Pers.) — on III Thalictrum dioicum.

79 " Amorphae B. & C. — II & III on A. canescens.

80 " Kuhniae Schw. — III on Kuhnia hupatorioides.

81 " aculeata Schw. — III on Podophyllum peltatum.

82 " Helianthi Schw. — II & III on {(a) H. grosse-serratus, (b) " annuus. (c) " strumosus.}

83 " Myrrhis Schw. — III on Osmorhiza brevistylis.

84 " Xanthii Schw. — III on X. Strumosum.

85 Phragmidium mucronatum Lk. II & III on {(a) Rosa lucida. (b) cultivated rose.}

86 " speciosum Fr. — III on petiole & stem of Rosa lucida.

List of Wisconsin Parasitic Fungi.
Wm. Trelease, Nov. 18, 1882.

Class I — Zygosporeae.

Order Zygomycetes.

Family Clytridiaceae.

1- Synchytrium fulgens, var. decipiens, Farlow. on Amphicarpea.

1/2- " Ammones, (DC.) on A. monoica.

Class II " Oosporae, Order Coelioblasteae.

Family Peronosporeae.

2- Cystopus candidus Lév. on {Capsella B.-Pastoris, x Sisymbrium officinale. Brassica sp.}

3- " cubicus Lév. on Ambrosia artemisiaefolia.

4- " Blitis Biv. on Amaranthus retroflexus.

5- " Portulacae DeBy. on P. oleracea.

6- Peronospora Halstedii Farlow on {(a) Bidens frondosa. ?(b) Helianthus strumosus; ?(c) Silphium Terebinth—.}

7- " on Sicyos angulata.

8- " Effusa Grev. on Chenopodium album.

9- " alta Fckl. on Plantago major.

10- " parasitica Pers on {Capsella B.-Bastoris. Silphium virginicum. x}

11- " infestans Mont. on Solanum tuberosum.

12- " ganglioformis Berk. on {Lactuca canadensis " sativa x}

13- " Geranii DC. on G. maculatum.

14- " Entrospora (Roze & Cornu) on Aster Novae-Angliae.

15- " viticola B. & C. on {Vitis cordifolia? cultivated grape x}

Class III Carposporeae.

Order Ascomycetes.

Sub Order Perisporiaceae.

16- Uncinula adunca Lév. on {Populus balsamifera & x " tremuloides " grandidentata Salix sp. (b) x}

17- " Ampelopsidis DC. on A. quinquefolia.

18- " Spirialis B. & C. on cultivated grapes.

19- Microsphaera Euphorbiae C. & P. on E. corollata.

20- " Friesii var. Syringae on S. vulgaris.

21- Microsphaera diffusa C. & P. on Desmodium canescens.
22- " pulchra C. & P. on Lonicera
23- " on Sambucus Canadensis.
24- " on Lespedeza?
25- " penicillata Lév. on {Corylus Americana. ×
" rostrata.
26- " Evonymi ? C. & P. on Quercus.
27- Podosphaera Kunzei Lév. on {Prunus virginiana.
" cerasus ×
" Americana
28- Phyllactinia guttata. (Wallr.) on {Cornus sericea? ax
Celastrus scandens b.
Carpinus Americana c ×
29- Sphaerotheca Castagnei Lév. on {a Bidens frondosa.
b Taraxacum Dens leonis.
c Veronica Virginica.
30- " pannosa Lév. on {a Rosa lucida
b Cultivated roses.
31- Erysiphe tortilis Lk. on Clematis Virginiana
32- " Lamprocarpa Lév. on {a Ambrosia artemisiaefolia
b Phlox Drummondii
c " maculata?
d Helianthus strumosus
e Aster miser?
f Xanthium
g Cirsium discolor
h Diplopappus umbellatus
i Eupatorium perfoliatum
k Verbena urticifolia
33- " Communis Schl. on {a Ranunculus abortivus.
b Lathyrus venosus.
33½- " Martii? Lk. on Amphicarpaea
Suborder Pyrenomycetes.
34- Dothidea Ptelidis Fr. on Ptelea trifoliata.
35- " Ulmi Fr. on U. Americana.
36- " Tripolii Dr. on {T. repens.
T. pratense.
37- " Graminis Dr. on {Gymnosticlum hystrix ×
Dactylis glomerata.
38- Hypomyces on Agaricus? (Very common.)
38½- Sphaeria fimbriata Pers. on Carpinus Americana.
39- Sphaeria Herbosa Schw. on Prunus Virginiana.
40- Clariceps purpurea Fr. on Secale cereale.
41- " on Phleum pratense.
4 Suborder Discomycetes.
42- Phacidium Tripolii Bond. on T. pratense.
Imperfect Forms.
42½- Oidium Monilioides Lk. on Poa pratensis &c.

43- Graphium on cultivated Shanbury.
(answers in every particular to the Conidia of Sphaeria Fragariae)
[44- Isaria arachnophila? on spider.]
45- " on white grub.
(where did you get this? It is the same that Henry sent last year)
46- on cultivated grape.
46½ on Smilacina racemosa
47- Septoria Oenotherae B. & C. on Oenothera.
48- " Heterochroa on Malva rotundifolia
(Cf. no. 205)
49- Phoma? on Polygonum amphibium var.
49½- " ? on cultivated grape.
50- Ramularia on Panicum sanguinale.
51- Cercospora Apii Fres. var. Pastinacae on P. sativa.
52- " Chenopodii on C. album.
53- " ? Polygonorum?? on Polygonum Persicaria
54- on Plantago major.
55- on Quercus
56- " on Potentilla Norvegica.
57- on Nasturtium Armoracia.
58- Trichobelonium roseum Dr. on Puff-ball.
59- Fusidium Canum on Tiger-on Canadense.
60½- Sepedonium Chrysospermum Lk. on Boletus.
205- Cercospora? (Cf. 48) on Malva rotundifolia.

Order Basidiomycetes.
Sub-order Hymenomycetes.
Family Uredineae.
(F. Eumycetes)
61 Uromyces Polygoni Pers. II & III on P. aviculare.
62 " I, II, & III on T. repens.
63 " Euphorbiae C. & P. I, II & III on E. maculata.
64 " ? III on Anisacma triphyllum.

Fungi received from J. Troop
St. Stephens N.B. Nov. 8. 1901
54 lots in all but some could not
be examined from lack of time.

2. Tricholoma ustale
3. Hygrophorus flavodesinus.
4. Hygrophorus pudorinus after Fr.
but may be H. erubescens
5. Boletus flavus.
7. Tricholoma equestris.
15. Not in collection.
16 & 18. a corticiaceous
17, 19, 22. Corticiums cinnamomeus.
20, 21. Collybia laccata.
23 = 12
24 = 20
25 & 26. Tricholoma Russula
27. Tricholoma vaccinum
28. Armillaria aurantia. →
29 = 27.
30. Hypholoma
31. Hypholoma
32. Not in collection.
33. Lactarius, seems to be L. theiogalus
but is old.
34. Cantharellus umbonatus.
36. Hygrophorus [illegible] speciosus

37-40. Lepiota granulosa f. carcharias.
& f. rufescens.
41. Galerina hypnorum?
42. Polyporus hirsutus?
46. Polyporus tomentosus.
47. Lenzites abietina.
48. Clavaria cristata.
49. Nitrula vitellina.
50. Polyporus abietinus
51. Pelig Phyllum communis.
52. Hydnum cyathiforme.
53. Polyporus. brumalis
54. " circinnatus
55. " betulinus

Fungi from D. Troop
St. Stephen, N.B.
Dec 20. 1902.

---

1. Polyporus lucidus.
*2. Polyporus igniarius
3. Polyporus resinaceus (benzoinus)
*4.
5. Polyporus radiatus
*6.
7. Polystictus abietinus Dicks
= Trametes abietis Karst.
8. Polyporus abietinus
9. " betulinus
10. Peniotus porrigens
11. Lenzites separia
12. Polyporus hirsutus.

* 486. numbers were not to be found but were probably Polyp. Schweinitzii and Polyp. tomentosus which had no numbers

also Epicoccum aurantiacum (not on Pezizza bodies) Polyporus cinnabarinus.

Rockfield & Lakeside Lichens

for Dufour

Ramalina calicaris] h
var: canaliculata]

R. c var: farinacea h.

Usnea plicata h
U. longissima h
U. hirta h

Alectoria divergens. h & l.

A. jubata h & l.
v. chalybeiformis h & l.
v. implexa l.

A. ochroleuca h & l
v. sarmentosa h
v. angica l.
v. expressens l
v. rigida l
v. concinnata l.

Cetraria aculeata h & l
h & l
C. aculeata l
C. Fahlunnis l.
C. hiascens l
C. cucullata l
C. Lacunosa l
C. nivalis h & l
C. juniperina l
C. Islandica l
var. Delisei l

Ceb. glauca R & L.
C. ciliaris R.
Otyphia ciliaris L.
O. var: cinalis L.
O. cuspa R
O. cordata R
O. turpida R
O. varia L

Halo. chilis parvifolia R
T. polycarpa R. & L.
T. lychnoides R.

O armata annulata L
O. canalis R & L
O. var, rubicola R & L.

O. lanata L
O. ambigua R & L
O. centrifuga L.
O. Tilicina R.
O. compacta R & L.
O. encanta R & L
O. incisa R
O. stypia L
O. Rosei R
var: rubicola L.
O. amphalcides R.
O. phyrodes R & L
O. diversicaa R

Hebecarpa polyphylla L
H. arborea L.
Al. arborea L.
Al. pubescens L.
var: alba L.
H. corifolia L.
Al. parviflora R

40 Salvador
3 Penfield

15 from both counties

Wagthorna

1

2 Ect. corpus silicalcareo.

3

4 Ceramium concinnatum

5

6 Chorda filum

7. Dasya elegans

8 Monosporus Pylaii

9

10 Rhodomela subfusca.

10a ceramium concinnatum

11 Polysip. nigrescens.

12 Dictyota dichotoma

13 Ceramium concinnatum

14 " rubrum

15 Ect. formus.

16 Cladophora arcta

17 not good

18

19

20 Ect. formus.

21
22 Discipulus formis
23
24
25 = 22
26
27 = 22

Algae sent to Mr. Weber
v. Bosse April 8, 1914.

---

all from Murray Island, Torres Strait, Oct, 1913. Coll. H. L. Clark except one

1. Small prostrate Eucheuma or Meristotheca. Put with Eucheuma.
2. Gracilaria corticata. Put with Gracilaria.
3. Corallophaila Yuntia. Put with Corallophaila
4, & 5. ?? Genera uncertain. Put with duplicate in block box.

Also unnumbered, Tydemania Expeditionis, Caulerpa Webbiana v. Comptella, Eucheuma Cottonii, Liagora valida v. Australasica, Dermonema ambigua v. pulvinata, Chondria Conroyi, Amansia glomerata & Amansia sp. Mombassa, Herb Hauck.

Corallines marked v. B.C. not sent in this sending.

Charleston S.C. Sept. 23: 96

Professor W. G. Farlow

Dear Sir:

I send by this mail two Specimens of Fratelorpia Gibbesii. Think they are more mature than some sent heretofore. Beg to ask a few questions concerning some other Specimens. You need not return any of the Specimens unless they are of no use to you. Have kept duplicates Corresponding with those sent, and lettered alike so I can identify properly named. Specimens. If your knowledge may be drawn upon for the names, you will confer a great favor upon me.

Enclose a lettered list and have made my guess at each, except two or three. The line is blank for your use opposite each letter. This gives room for your name, that is, the proper name of Each. Except the last

which without doubt is an animal. Under my microscope I could see indications of a circulation going on it's what I had at first thought was a plant.

Had been in N. C. for my vacation this summer, and found some fresh water specimens. Appear to be like those you named for me last summer from Cheat River W. Va.

Enclosed is postage for reply. You can return either this blank list when names are written or make another if more convenient.

Hope you had a pleasant summer and no domestic troubles. As the cool weather is come I may look for specimens in the harbor if in any way I can serve you let me have the pleasure of so doing.

Yours truly
Edmund Wells.

List-

(a)

(b)

(c)

(d)

(e)

(f)

(g)

(h)

(i)

(j)

Edmund Wells
579 King St
Charleston
S.C.

Algae from Florida
Received from Edmund
Welles, April 1902.
a. Utricularia inflata
b. Myriophyllum
c. Spyridia filamentosa
d. Batrachospermum
vagum
e. Chondria atropurpurea
f. Utricularia.
g. Chantransia macrochiza
h. Dasya? near elegans?
i. Sphacelaria
macrophylla
j. Chondria tenuissima

Algae from Edmund Welles.
Beaufort. S.C.
Recd. ~~April~~ May. 1907.

a. Callithamnion byssoideum

b. ~~Call~~ Call. polyspermum (vel Borreri?)

c. Cladophora gracilis

d. Enteromorpha clathrata

e. Lyngbya
nec L. lutealis.

f. Delesseria sinuosa

g. Bostrychia rivularis
~~& Ceramium~~

h. Ceramium diaphanum

Algae from Edmund Welles
March 1905. Some from
Miami. Some from L. J. Found.

---

a. Taonia Schroederi.
b. Dictyotaminion Leaferthii.
c. Ceramium rubrum
d. Acrosiphonia ? Poor. L. J. Found
e. Ceramium tenuissimum
f. Chondria Baileyana.
g. Chaetopteris plumula
h. Callithamnion Baileyi
i. Sertularia
j. Ceramium rubrum.
k. Sertularia
l. Chondrus crispus.
m. Bostrychia ~~periclados~~ Montagnei
n. Bostrychia occidentalis.
o. Polysiphonia Harveyi
p. Bostrychia periclados (Yucatan)
q. Polysiphonia sp.?
r. Polysiphonia Binneyi
s. Utricularia
t. Polysiphonia urceolata.
u. Lyngbyaceae (offive!)

Harvard University

HERBARIUM AND LABORATORIES
OF
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W. G. Farlow, 24 Quincy Street
R. Thaxter, 7 Scott Street

Cambridge, Mass., U.S.A.

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